

PATENT COOPERATION TREATY

525. 416
PCT/FR2003/002678

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 62870	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/FR2003/002678	International filing date (day/month/year) 09 septembre 2003 (09.09.2003)	Priority date (day/month/year) 13 septembre 2002 (13.09.2002)
International Patent Classification (IPC) or national classification and IPC G02B 5/28, 6/34, G01J 3/26		
Applicant ATMEL GRENOBLE S.A.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of _____ sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 05 avril 2004 (05.04.2004)	Date of completion of this report 13 May 2004 (13.05.2004)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

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I. Basis of the report

1. This report has been drawn on the basis of *(Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.)*:

☐ the international application as originally filed.

☒ the description, pages 1-11, as originally filed,
pages _____, filed with the demand,
pages _____, filed with the letter of _____,
pages _____, filed with the letter of _____.

☒ the claims, Nos. 1-4, as originally filed,
Nos. _____, as amended under Article 19,
Nos. _____, filed with the demand,
Nos. _____, filed with the letter of _____,
Nos. _____, filed with the letter of _____.

☒ the drawings, sheets/fig 1/3-3/3, as originally filed,
sheets/fig _____, filed with the demand,
sheets/fig _____, filed with the letter of _____,
sheets/fig _____, filed with the letter of _____.

2. The amendments have resulted in the cancellation of:

☐ the description, pages _____

☐ the claims, Nos. _____

☐ the drawings, sheets/fig _____

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

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V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1 - 4	YES
	Claims		NO
Inventive step (IS)	Claims	1 - 4	YES
	Claims		NO
Industrial applicability (IA)	Claims	1 - 4	YES
	Claims		NO

2. Citations and explanations

This report makes reference to the following document:

D1: EP-A-0 903 615 (NIPPON TELEGRAPH & TELEPHONE), 24
March 1999

1. Document D1 (figure 21 and paragraph [109])
discloses an optical filtering component having all
the features of the preamble of claim 1, but not the
features of the characterising part of claim 1.

Claim 1 is therefore **novel** (PCT Article 33(2)).

2. Claim 1 differs from D1 in that reflecting means are
provided to cause the light having crossed the
filter a first time at a first angle of incidence to
cross the same filter a second time at a second
angle of incidence.

A single cavity can thus achieve a transfer function
defined by the multiplication of two different
transfer functions.

Although D1 (figure 27) also shows reflecting means
that cause the light to pass through the filter a

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second time, there is no multiplication of two different transfer functions.

Claim 1 is therefore inventive (PCT Article 33(3)).

3. Claims 2 to 4 are dependent on claim 1 and are therefore also novel and inventive.